T4
2.4G LED RGBW Controller

T4-CV

T4

FC   CE   RoHS COMPLIANT   warranty 3 years   SGS ISO9001:2008   UKAS

T4 is the 2.4GHz RF wireless sync/zone RGBW controller which adopts LTECH 4 global initiate technology (2 invention patents, 2 utility patents). It has powerful function that general RF remote control can't realize, especially in wireless connection between receivers to realize sync dynamic change effect. It is very convenient in installation for users. T4 is aggregated all the functions in the favored by customers RGB remote control T3/T3M/T3X, but simple easy to use.

Performance Features:

1. Adopt 2.4GHZ RF wireless transmission technology, which is applicable for license and patent free worldwide.
2. Advanced RF wireless sync control technology, no sync signal wire between receivers, sync capability is stable and reliable.
3. Remote control adopts the capacitive touch control technology on the full color wheel, make the LED color selection more user-friendly.
4. With the latest DIY program method, editing effects is easier and more intuitive.
5. Build-in sync state light, can display the LED color in static or changing state synchronously.
6. Sync and zone switch freely.
7. Self-closing function: unmanned operation more than 1 min on the remote, the remote will automatically shut down to realize zero loss, extending operation life for the battery.
8. USB charging port.

1. Technical Specs:

T4 Remote

- Input Voltage: DC5V Built-in Lithium Battery
- Working Current: <30mA
- Working Frequency: 2.4GHZ
- RF Remote Distance: 30m
- Remote Option: Sync/Zone Control
- Grey Scale Level: 1024 x 1024 x 1024
- Battery Capacity: 1000mAh
- Dimensions: L145×W55×H22(mm)
- Package Size: L168×W102×H28(mm)
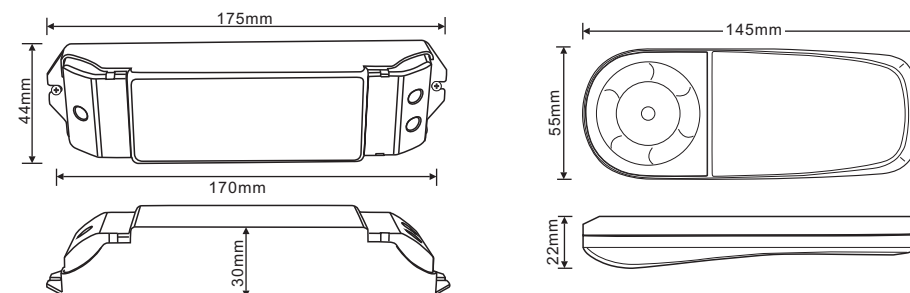- Weight (G.W.): 200g

T4-CV Receiver

- Input Voltage: DC5V～DC24V
- Max Current Load: 5A × 4CH Max 20A
- Max Output Power: 100W/240W/360W(5V/12V/24V)
- Working Temperature: -30℃～55℃
- Dimensions: L175×W44×H30(mm)
- Package Size: L178×W48×H33(mm)
- Weight (G.W.): 110g

2. The Charging Methods for Remote Control:

1. When charging, please connect USB cable to the mobile charger or computer.
2. The blue indicator light flickers while charging, and turns green means the charging is completed. The remote control can be chargeable even at the OFF state, on which the indicator light is dark.
3. No memory effect in the lithium battery of remote control. Follow the standard charging procedure even for the first three times, no need over charge.
4. Red indicator light flickers meaning low battery and need to be charged. charging in low battery will affect life of battery.
5. the remote should be full charged and stored under low cold drying while a long time without being operated. And please full recharge every 3 months.

3. Product Size:

6. The Learning ID Method of Remote Control:

Learning ID:

1. Turn on the receiver and remote.
2. Short press "ID learning button" 🔘 on the receiver, the running light keeps on, then long press 1-8 zone-selection keys on the remote, the running light returns to flash (the buzzer long sounds/ the green light 🟢 flashes 3 times), activated successful.

Cancelling ID:

Press "ID learning button" 🔘 on the receiver more than 8 seconds, the buzzer sound twice, delete all the learned remote.
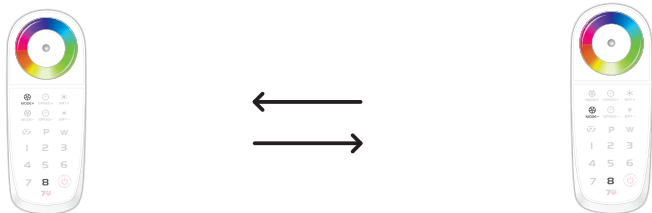
3. Receiver Components Description:

Running Light
ID Learning Button
DC5V~24V Power Input Socket

The White Light
LED Lamp Connected Socket
The RGB Light

LED CONTROLLER
T4-CV

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6   Remote Control instructions:

Built-in two control programs, it is convenient for user's different habits and place, free switching the two programs.

Sync control : Press the key [MODE] and **8** more than 2 seconds.

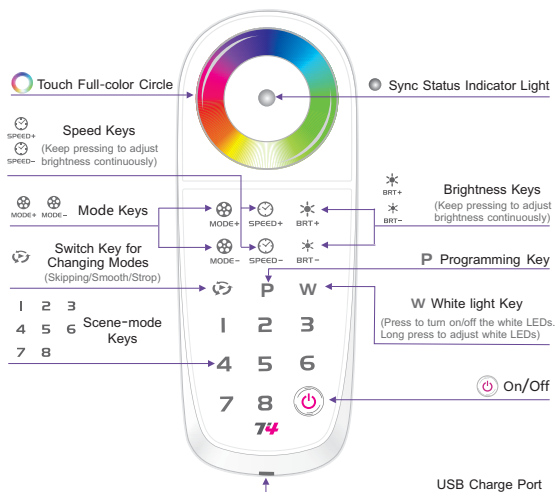**Zone control** : Press the key [MODE–] and **8** more than 2 seconds.

✳ **Power Saving**: unmanned operation more than 1 min on the remote, the remote will automatically shut down to realize zero loss, extending operation life. Press ON/OFF again, it will restart the remote.

Reset Function: Long press [PAUSE II] [⏻] simultaneously, release the keys after 2 seconds, the remote will auto off, means reset completed.

Mode keys [MODE+] [MODE–] **:** Switch black/red/green/blue/yellow/purple/cyan/white/RGB/RBGYPCW

Open the buzzer: long press [MODE+]   **Close the buzzer**: long press [MODE–]

1、Sync Program:

- Touch Full-color Circle
- Sync Status Indicator Light
- Speed Keys (Keep pressing to adjust brightness continuously)
- Mode Keys
- Switch Key for Changing Modes (Skipping/Smooth/Strop)
- Scene-mode Keys
- Brightness Keys (Keep pressing to adjust brightness continuously)
- P Programming Key
- W White light Key (Press to turn on/off the white LEDs. Long press to adjust white LEDs)
- On/Off
- USB Charge Port

The Usage of The Programming "P" :

1) Long press the key [P] in 2 seconds, buzzer sounds, enter the programming mode.

2) Color selection : Saved 8 colors in NO. 1-8, press NO. [1 2 3 / 4 5 6 / 7 8] in order and press MODE or color circle again to select the color. (color will be saved in this key automatically).

Example1: [1 Red] [2 Green] [3 Blue] [4 Yellow] [5 Purple] [6 Cyan] [7 White] [8 Black]
R G B Y P C W : 7 Colors' Skipping/Smooth/Strobe

Example2: [1 Red] [2 Blue] [3 Black] [4 Black] [5 Black] [6 Black] [7 Black] [8 Black]
R B : 2 Colors' Skipping/Smooth/Strobe

Example3: [1 Red] [2 Black] [3 Green] [4 Black] [5 Blue] [6 Black] [7 Black] [8 Black]
R B G BK BK : 5 Colors' Skipping/Smooth/Strobe

Example4: [1 Black] [2 Red] [3 Black] [4 Green] [5 Black] [6 Blue] [7 Black] [8 Black]
R B G : 3 Colors' Fade out and fade in
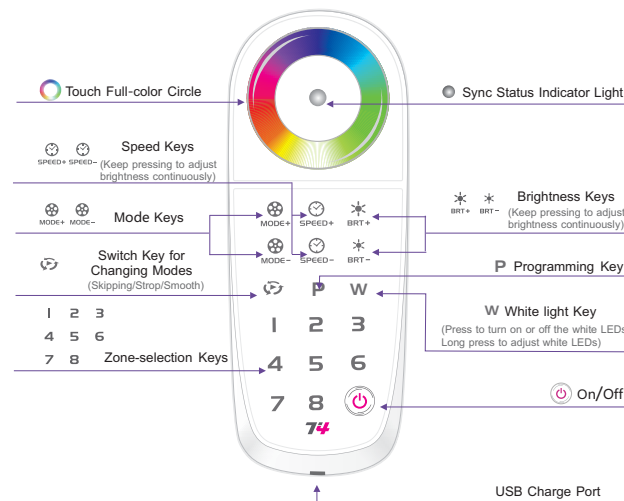BK R BK G BK B : 6 Colors' Skipping/Strobe

Note: Select Black color with keys [MODE+] [MODE–]

3) Short press "P" key [P] to exit color selection.

4) press [⟳] to switch the selected colors' skipping, smooth and strobe (Brightness/Speed adjustment).

5) Long press any key in 1-8 [1 2 3 / 4 5 6 / 7 8] to save the edited scene.

2. Zone Program:

- Touch Full-color Circle
- Sync Status Indicator Light
- Speed Keys (Keep pressing to adjust brightness continuously)
- Mode Keys
- Switch Key for Changing Modes (Skipping/Strop/Smooth)
- Zone-selection Keys
- Brightness Keys (Keep pressing to adjust brightness continuously)
- P Programming Key
- W White light Key (Press to turn on or off the white LEDs. Long press to adjust white LEDs)
- On/Off
- USB Charge Port

Zoning Instructions :

Select single zone: Press keys 1-8 on the remote control.

Select multiple zones : press continuously in multiple keys from 1-8 on the remote control.

Close the zone: short press the zone-selection key, then short press the ON/OFF [⏻] to close the zone.

Open the zone: touch the color circle [◉] or press any key to open the current zone.

The Usage of The Programming "P" :

1) Long press the key [P] in 2 seconds, buzzer sounds, enter the programming mode.

2) Color selection : Saved 8 colors in NO. 1-8, press NO. [1 2 3 / 4 5 6 / 7 8] in order and press MODE or color circle again to select the color (color will be saved in this key automatically).

Example1: [1 Red] [2 Green] [3 Blue] [4 Yellow] [5 Purple] [6 Cyan] [7 White] [8 Black]
R G B Y P C W : 7 Colors' Skipping/Smooth/Strobe

Example3: [1 Red] [2 Black] [3 Green] [4 Black] [5 Blue] [6 Black] [7 Black] [8 Black]
R B G BK BK : 5 Colors' Skipping/Smooth/Strobe

Example2: [1 Red] [2 Blue] [3 Black] [4 Black] [5 Black] [6 Black] [7 Black] [8 Black]
R B : 2 Colors' Skipping/Smooth/Strobe

Example4: [1 Black] [2 Red] [3 Black] [4 Green] [5 Black] [6 Blue] [7 Black] [8 Black]
R B G : 3 Colors' Fade out and fade in
BK R BK G BK B : 6 Colors' Skipping/Strobe
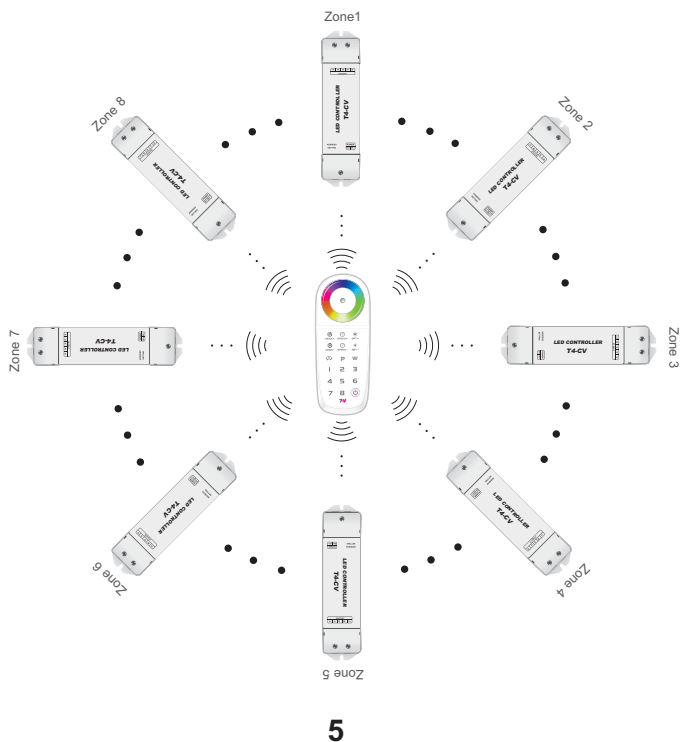
Note : Select black color with keys [MODE+] [MODE–]

3) short press "P" key [P] to exit color selection.

4) press [⟳] to switch the selected colors' skipping, smooth and strobe (Brightness/Speed adjustment).

5) OK, completed scene editing, short press "P" to play the scene.
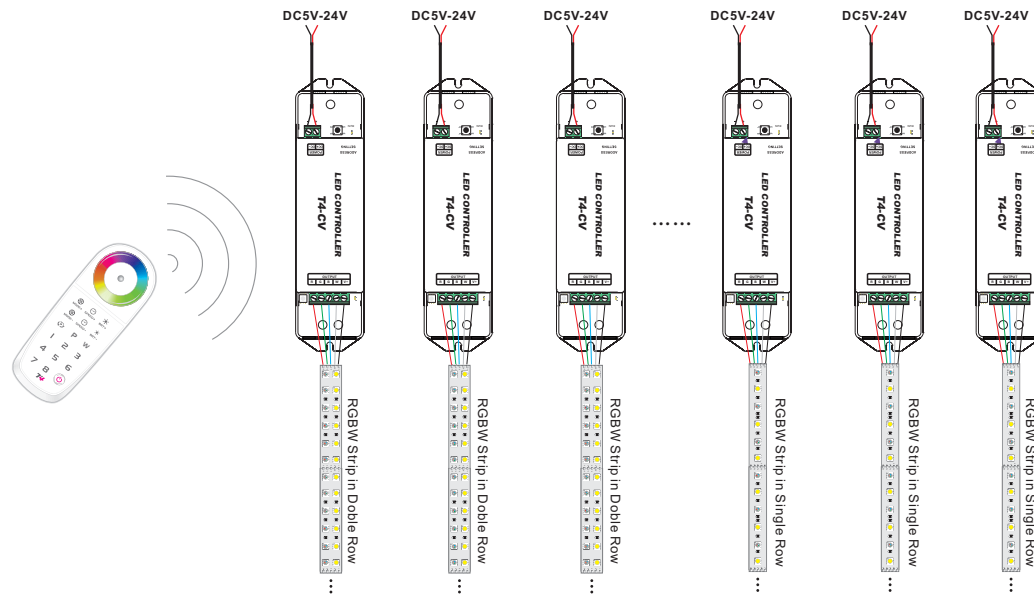
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7. Tables of Changing Mode:

No.	Color (Press MODE+ MODE- Button to Switch)	Press ↻ button to switch the 3 types		
		Skipping	Smooth	Strobe
1	Black			
2	Red	Static Red	Red fade out and fade in	Red strobe
3	Green	Static Green	Green fade out and fade in	Green strobe
4	Blue	Static Blue	Blue fade out and fade in	Blue strobe
5	Yellow	Static Yellow	Yellow fade out and fade in	Yellow strobe
6	Purple	Static Purple	Purple fade out and fade in	Purple strobe
7	Cyan	Static cyan	Cyan fade out and fade in	Cyan strobe
8	White	Static white	White fade out and fade in	White strobe
9	Red, green, blue	RGB skipping	RGB color smooth	RGB strobe
10	Red, green, blue, yellow, purple, cyan, white	7 colors skipping	Full-color smooth	7 colors strobe

8. System Diagram:

The receivers can be divided into 1~8 zones within effective distance(1pc receiver per zone), no wiring needed between the receivers.

9. Wiring Diagram:

10. Attention:

1. The product shall be installed and serviced by a qualified person.

2. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.

3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.

4. Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.

5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.

6. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.

7. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

11. Warranty Agreement:

1. We provide lifelong technical assistance with this product:
   - A 3-year warranty is given from the date of purchase. The warranty is for free repair or replacement and covers manufacturing faults only.
   - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

2. Warranty exclusions below:
   - Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
   - The product appears to have excessive physical damage.
   - Damage due to natural disasters and force majeure.
   - Warranty label, fragile label and unique barcode label have been damaged.
   - The product has been replaced by a brand new product.

3. Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LTECH shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.

4. Any amendment or adjustment to this warranty must be approved in writing by LTECH only.

★This manual only applies to this model. LTECH reserves the right to make changes without prior notice.